1	Claims: I claim:		
2			
3	1.	A m	ethod for supplying oxygen to a biological entity comprising the steps of:
4		a.	dissolving oxygen into a perfusate,
5		b.	forcing the perfusate through the biological entity,
6			whereby substantially high levels of oxygen are available to satisfy the metabolic demand
7			of the biological entity
8	2.	An	apparatus for supplying oxygen to a biological entity comprising:
9		a.	a vessel capable of a predetermined internal gas pressure
10		b.	a pressurized gas capable of producing a predetermined gas pressure within said vessel,
11		c.	a pressure hose to deliver said gas
12		d.	a perfusate
13		e.	a pump to circulate said perfusate
14		f.	an oxygenator to dissolve oxygen into said perfusate
15		g.	a plurality of fluid delivery tubes to deliver said perfusate
16		h.	a biological entity
17		i.	a plurality of holes in said vessel necessary to allow said tubes or hose to pass through
18			said vessel
19		j.	a perfusate container
20		k.	a means for attachment of said fluid delivery tubes to said perfusate container, said pump
21			said oxygenator, and said biological entity
22			
23			whereby substantially/high levels of oxygen are available to satisfy the metabolic demand
24			of said biological entity
25	3.	An	apparatus for supplying a metabolic supplement to a biological entity comprising:
26		a.	a vessel capable of a predetermined internal gas pressure
27		b.	a pressurized gas capable of producing a predetermined gas pressure within said vessel,
28		c.	a pressure hose to deliver said gas
29		d.	a perfusate/
30		e.	a pump to circulate said perfusate
31		f.	an oxygenator to dissolve oxygen into said perfusate
32		g.	a plurality of fluid delivery tubes to deliver said perfusate
22		h	a biological entity

1	i.	a plurality of holes in said vessel necessary to allow said tubes or hose to pass through
2		said vessel
3	j.	a perfusate container
4	k.	a means for attachment of said fluid delivery tubes to said perfusate container, said pump,
5		said oxygenator, and said biological entity
6	1.	a metabolic supplement
7	m.	a plurality of access ports connected to said fluid delivery tube to allow the addition of
8		metabolic supplements to said perfusate
9		
10		whereby the effect of said metabolic supplement to said biological entity can be
11		monitored
12		
		add